

Appendix E

BAER Treatment Selection Tool

	Cover Treatments			Land Treatments			Barrier Treatments		
	Straw mulch	hydromulch	slash spreading	seeding	Contoured felled log erosion barrier	fiber rolls	silt fences	scarification	
Reduces erosion	x1	x2	x2	x3	x2	x2	x2	x3	
Increase Cover	x1	x2	x2	x2*					
Improve Moisture retention	x1	x2	x3						
Reduce slope length					x2	x2	x1		
Slows runoff velocity									
Trap Sediment				x3		x2	x2	x1	
Increase Infiltration	x1	x2				x2	x2	x2	
Provide a seedbed	x2	x2					x2		
Reduce noxious invasive plant establishment					x2				
Provide Surface Roughness	x1	x3	x2	x2				x2	

1= Fully meets objective

2=Partially meets objective

3=Rarely or seldom meets objective

*=not effective in year, partially effective year 2

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	Channel Treatments					
	Checkdams			In-channel structures		
	Strawbale checkdams in ephemeral channels	log checkdam	rock checkdam	In-channel felling	Grade Stabilizer Rock	Grade Stabilizer Log
Trap Sediment	x1	x1	x1	x2		
Provides grade control				x1	x1	
Reduces velocities	x2	x2	x2			
Slows sediment delivery	x2	x2	x2			x1
Attenuates Peak Flow	x3	x2	x2			x1
Reduces streambank erosion					x2	x2
Durability of structure	x2	x1	x1	x1	x2	x2
Maintenance needs	Moderate	Moderate	low*	low	low	low

1=fully meets objective

2= partially meets objective

3=seldom or rarely meets objective

*low maintenance when structures are large

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		Road and Trail Treatments						Culvert Modification				Trail Stabilization	
		Storm Inspection Response	Outsloping Dips	Armored Dips	Rock armored overflow structure	Armored Low Water Stream Crossing	Debris Racks Deflectors	Risers	Culvert Upgrades	Culvert Cleanout	Metal End-Sections		
Improve hydraulic capacity			x1	x1		x1			x1	x1	x1	x1	
Shortens flow length	1x	1x											
Prevents reduces plugging of culverts	x2			1x		x1		x1	x1	x1	x2		
Prevents reduces diversion	x3	x1	x1	x1		x1							
Traps Debris									x2				
Reduces road erosion	x2				x1	x1	x2				x2		
Disperses flows	x1					x1						x2	
Protects road fill	x3				x1	x1		x2	x1				

1=fully meets objective

2=partially meets objective

3= seldom or rarely meets objective

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	Minor Facility Safety Work	Hazard Removal	Warning Signs	Protective Fencing and Barriers	Protection and Enforcement	Flood Warning Systems
Reduces Impacts to resources		x1		x2	x2	
Improves Public Safety	x1	x1	x1	x1	x2	x1

1= Fully meets objective

2= Partially meets objective

3= Rarely or seldom meets objective